HD NVR Quick Installation Guide

GENIUS VISION DIGITAL

Ver. 1.0

Quick Installation Guide

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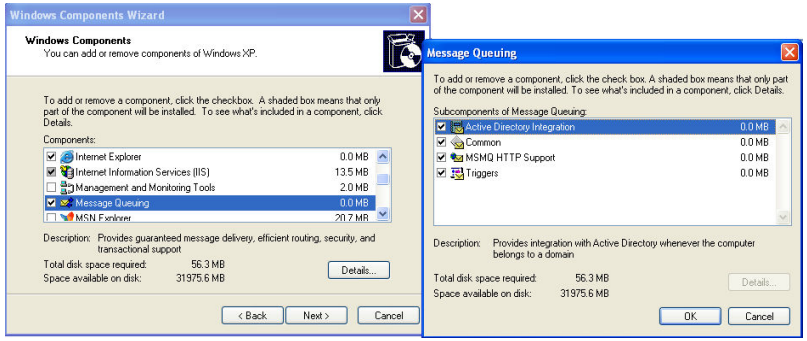
Hardware Requirement

NVR Standard HW Spec requirement: (for CIF/D1 IP Camera)

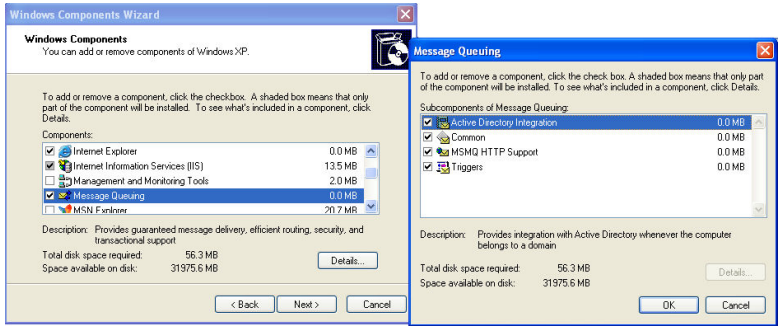
- CPU: Pentium Intel Dual Core E7400 2.8GHz or above
- RAM: 2GB
- Operation System: Windows XP professional SP2/SP3 or Vista(32Bit)
- Display: nVidia chipset which support DirectX3D
- Minimum resolution: 1280x1024, but 1680x1050 is recommended
- Storage: Need two physical Hard Discs at least. (Recommend to use GVD certified HDD brand “Seagate AS / ES Series”). One is for operation system, the other one is for storage. The storage hard drive will be erased before using for recording.
- Windows Component: Message Queue (you will need to have Windows XP/Vista CD-ROM to install this component)


Windows Components Wizard
Windows Components
You can add or remove components of Windows XP.
To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Components:
Internet Explorer 0.0 MB
Internet Information Services (IIS) 13.5 MB
Management and Monitoring Tools 2.0 MB
Message Queuing 0.0 MB
MSN Explorer 20.7 MB
Description: Provides guaranteed message delivery, efficient routing, security, and transactional support
Total disk space required: 56.3 MB
Space available on disk: 31975.6 MB
Details...
< Back
Next >
Cancel
Message Queuing
To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Subcomponents of Message Queuing:
Active Directory Integration 0.0 MB
Common 0.0 MB
MSMQ HTTP Support 0.0 MB
Triggers 0.0 MB
Description: Provides integration with Active Directory whenever the computer belongs to a domain
Total disk space required: 56.3 MB
Space available on disk: 31975.6 MB
Details...
OK
Cancel

NOTE: Please refer to page 3 for Windows Vista Configuration.

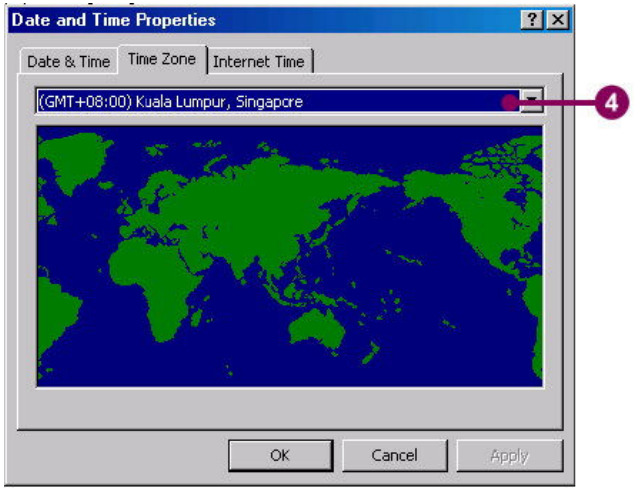
NVR High-end HW Spec requirement: (for Megapixel IP Camera)

- CPU: Pentium Intel Core2 Quad Q9400 2.6GHz or above
- RAM: 4GB
- Operation System: Windows XP professional SP2/SP3 or Vista(32Bit)
- Display: nVidia Geforce 9500 Display Card or above
- Minimum resolution: 1280x1024, but 1680x1050 is recommended
- Storage: Need two physical Hard Discs at least. (Recommend to use GVD certified HDD brand “Seagate AS / ES Series”). One is for operation system, the other one is for storage. The storage hard drive will be erased before using for recording.
- Windows Component: Message Queue (you will need to have Windows XP/Vista CD-ROM to install this component)

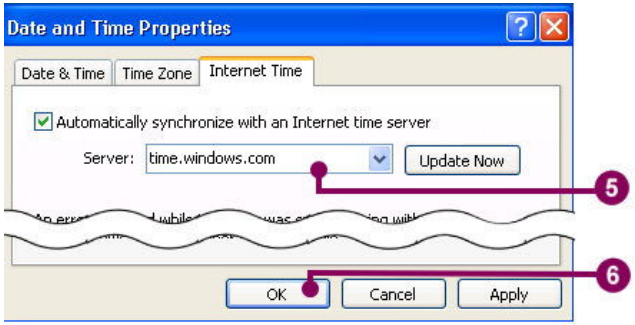

Windows Components Wizard
Windows Components
You can add or remove components of Windows XP.
To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Components:
Internet Explorer 0.0 MB
Internet Information Services (IIS) 13.5 MB
Management and Monitoring Tools 2.0 MB
Message Queuing 0.0 MB
MSN Explorer 20.7 MB
Description: Provides guaranteed message delivery, efficient routing, security, and transactional support
Total disk space required: 56.3 MB
Space available on disk: 31975.6 MB
Details...
< Back
Next >
Cancel
Message Queuing
To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Subcomponents of Message Queuing:
Active Directory Integration 0.0 MB
Common 0.0 MB
MSMQ HTTP Support 0.0 MB
Triggers 0.0 MB
Description: Provides integration with Active Directory whenever the computer belongs to a domain
Total disk space required: 56.3 MB
Space available on disk: 31975.6 MB
Details...
OK
Cancel

NOTE: Please refer to page 3 for Windows Vista Configuration.

Date & Time/Time Zone Setup



1. Log on to Windows®.
2. Go to 'Start ➔ Control Panel ➔ Date & Time'.
3. Select the Date & Time tab to set the correct date and time.
4. Select the 'Time zone' tab and set the correct time zone.

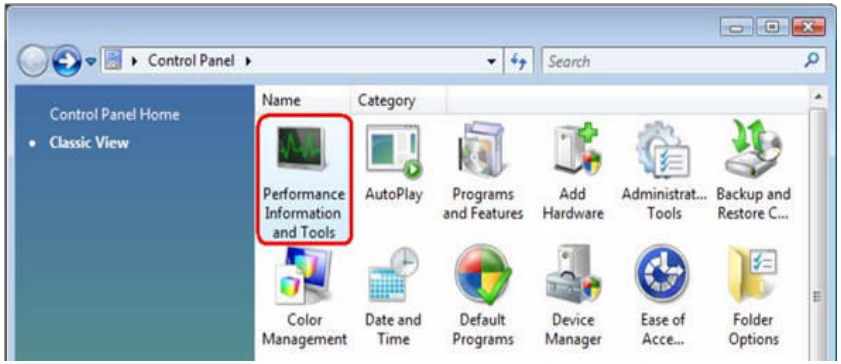


5. Select the 'Internet Time' tab and click 'Update Now' button to synchronize the time.
6. Press 'OK' to save the changes.

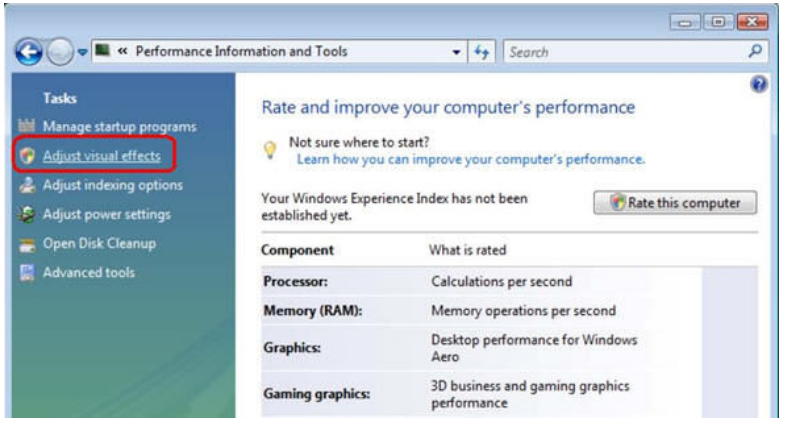
Windows Vista Configuration

Please do the following setup if you are using Windows Vista.

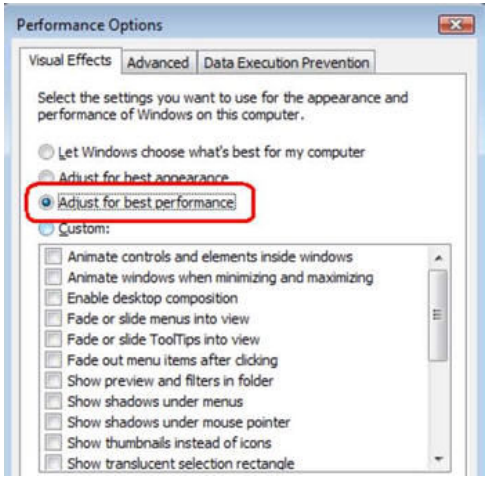
1. Click the Start button ➔ Control Panel, and then open Performance Information and Tools.



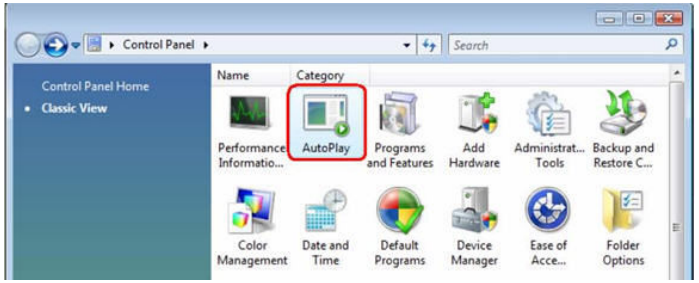
2. Click the Adjust visual effects



3. Choose Adjust for best performance then click “OK” button


Performance Options
Visual Effects
Advanced
Data Execution Prevention
Select the settings you want to use for the appearance and performance of Windows on this computer.
Let Windows choose what's best for my computer
Adjust for best appearance
Adjust for best performance
Custom:
Animate controls and elements inside windows
Animate windows when minimizing and maximizing
Enable desktop composition
Fade or slide menus into view
Fade or slide ToolTips into view
Fade out menu items after clicking
Show preview and filters in folder
Show shadows under menus
Show shadows under mouse pointer
Show thumbnails instead of icons
Show translucent selection rectangle

4. Open AutoPlay Setting



5. Uncheck Use AutoPlay for all media and devices and save

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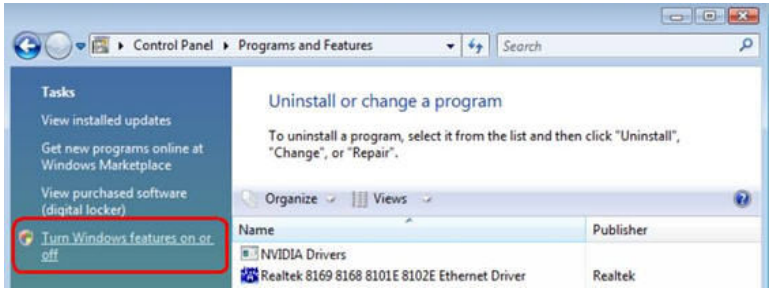
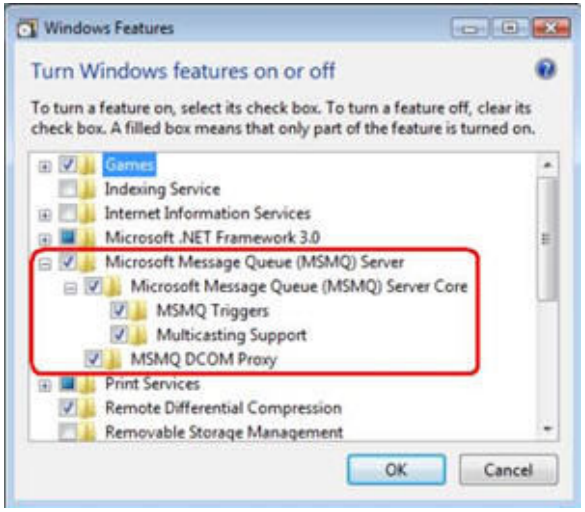
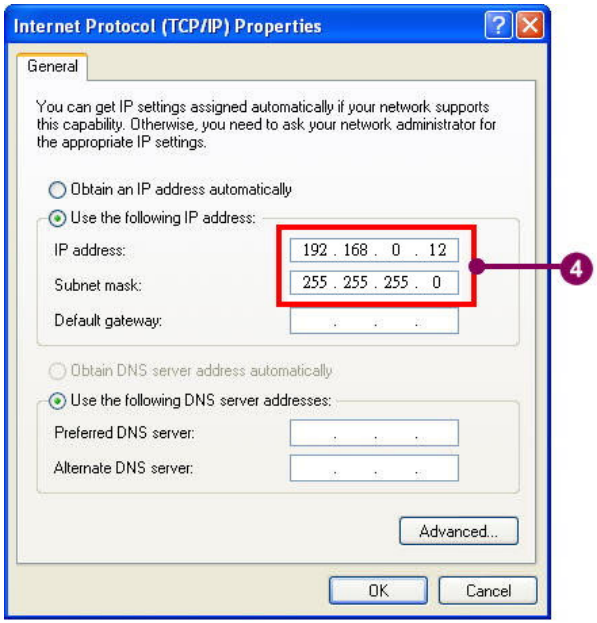
6. Turn on Microsoft Message Queue (MSMQ) Server feature by going to Control Panel ➔ Programs and Features ➔ Turn Windows features on or off



7. Check ALL MSMQ Options and save


Windows Features
Turn Windows features on or off
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means that only part of the feature is turned on.
Games
Indexing Service
Internet Information Services
Microsoft .NET Framework 3.0
Microsoft Message Queue (MSMQ) Server
Microsoft Message Queue (MSMQ) Server Core
MSMQ Triggers
Multicasting Support
MSMQ DCOM Proxy
Print Services
Remote Differential Compression
Removable Storage Management
OK
Cancel

Network Setup


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 12
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel
4

1. Go to 'Start ➔ Control Panel ➔ Network'.
2. Right mouse click the active connection icon and select 'Properties' from the pop-up menu.
3. Select 'Internet Protocol (TCP/IP) and then press 'Properties'.
4. In the 'General' tab, change the values of the IP address and the subnet mask and then press 'OK'.

NOTE: Before conducting the network configuration, please make sure the network environment is ready. If the network is not available, contact your network administrator for further help.

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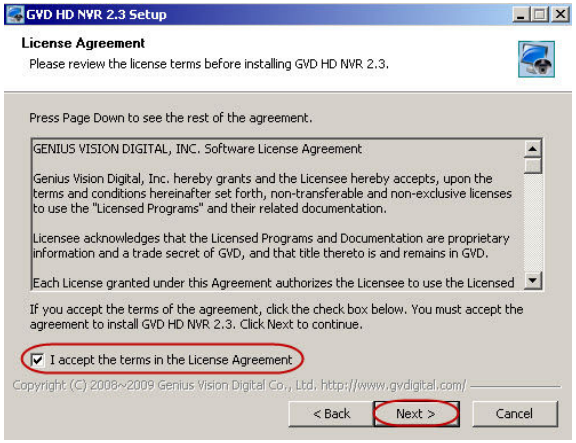
Software Installation

Insert the installation CD and the installation program will run automatically.

1. After install wizard started, click **Next** to continue.

GVD HD NVR 2.3 Setup
Welcome to the GVD HD NVR 2.3 Setup Wizard
This wizard will guide you through the installation of GVD HD NVR 2.3.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
E Series Control Workstation
M Series HD NVR – Magnify
C Series Integration Platform – Concrete and Connect
Next >
Cancel

2. Check **I accept the terms in the License Agreement** checkbox and click **Next** to continue.


GVD HD NVR 2.3 Setup
License Agreement
Please review the license terms before installing GVD HD NVR 2.3.
Press Page Down to see the rest of the agreement.
GENIUS VISION DIGITAL, INC. Software License Agreement
Genius Vision Digital, Inc. hereby grants and the Licensee hereby accepts, upon the terms and conditions hereinafter set forth, non-transferable and non-exclusive licenses to use the "Licensed Programs" and their related documentation.
Licensee acknowledges that the Licensed Programs and Documentation are proprietary information and a trade secret of GVD, and that title thereto is and remains in GVD.
Each License granted under this Agreement authorizes the Licensee to use the Licensed
If you accept the terms of the agreement, click the check box below. You must accept the agreement to install GVD HD NVR 2.3. Click Next to continue.
I accept the terms in the License Agreement
Copyright (C) 2008~2009 Genius Vision Digital Co., Ltd. http://www.gvdigital.com/
< Back
Next >
Cancel

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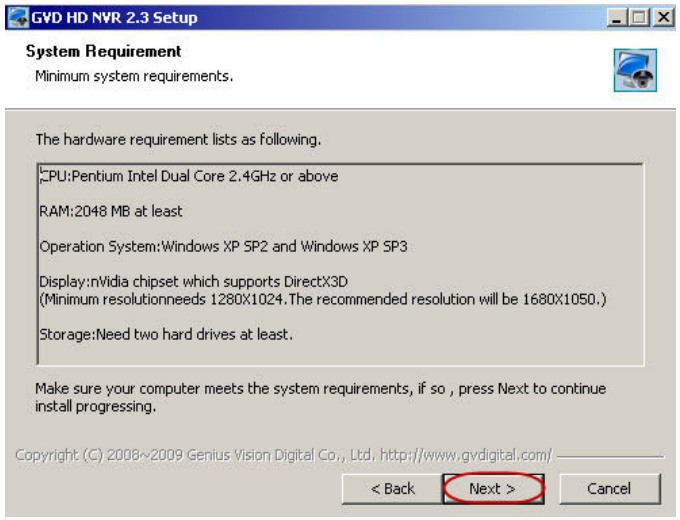
3. Make sure your system meets the minimum system requirement and click **Next** to continue.


GVD HD NVR 2.3 Setup
System Requirement
Minimum system requirements.
The hardware requirement lists as following.
CPU:Pentium Intel Dual Core 2.4GHz or above
RAM:2048 MB at least
Operation System:Windows XP SP2 and Windows XP SP3
Display:nVidia chipset which supports DirectX3D
(Minimum resolutionneeds 1280X1024.The recommended resolution will be 1680X1050.)
Storage:Need two hard drives at least.
Make sure your computer meets the system requirements, if so , press Next to continue install progressing.
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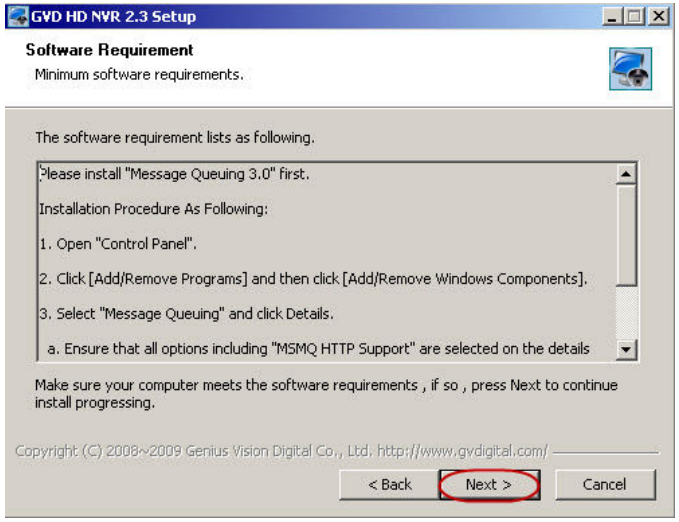
< Back
Next >
Cancel

4. Make sure your system has **Message Queuing 3.0** installed and click **Next** to continue.


GVD HD NVR 2.3 Setup
Software Requirement
Minimum software requirements.
The software requirement lists as following.
Please install "Message Queuing 3.0" first.
Installation Procedure As Following:
1. Open "Control Panel".
2. Click [Add/Remove Programs] and then click [Add/Remove Windows Components].
3. Select "Message Queuing" and click Details.
a. Ensure that all options including "MSMQ HTTP Support" are selected on the details
Make sure your computer meets the software requirements , if so , press Next to continue install progressing.
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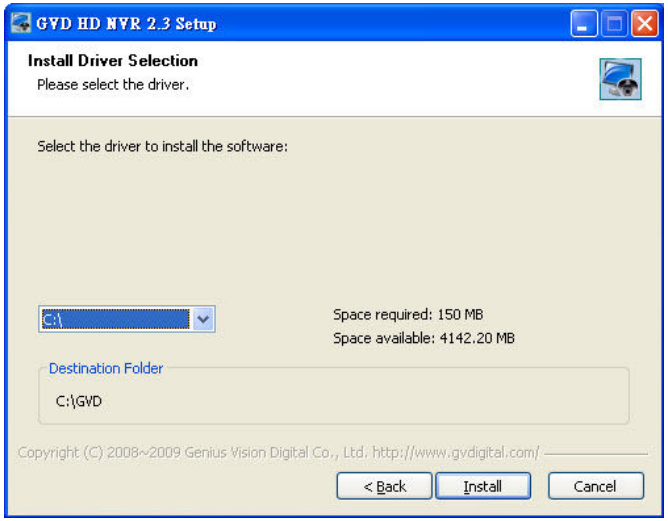
< Back
Next >
Cancel

5. Select the drive from the dropdown menu and click **Install** to start the installation.



6. After the installation is complete, click **Yes** to reboot the system.

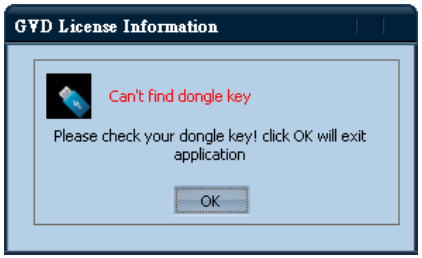
License Activation

There are two kinds of license activation:

- Dongle Key
- Software Authentication

Dongle Key

If you installed the dongle key version of HD NVR. Please make sure the dongle key is plugged into a USB 2.0 port before HD NVR starts. Otherwise, the screen shows the following dialog:



To restart HD NVR, you should:

1. Plug in the Dongle key.
2. Click 'OK' to close the dialog.
3. Restart the NVR and run the application again.

Software Authentication

If you installed the software authentication version of HD NVR. You will see the following picture, and please follow the steps listed below to complete the license activation.

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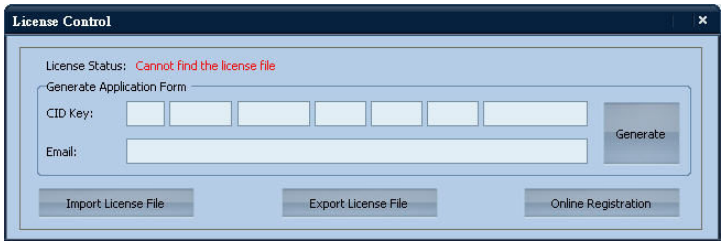

1. Input the CID key given and your e-mail address.
2. Click the **Generate** button.
3. Select a directory and save the application form (*.dat).
4. Click **OK** on the confirmation panel.
5. Click **Online Registration** button.
6. Click **Support** → **Customer Login**.

7. Click **Register** to apply an account if you don't have one.
8. Click **License Application** to upload the application form.

GVD will send out the approved license key file (*.lic) by email within 24 hours. Upon receiving the license key file, click "Import License File" in the "License Control" dialog, then select the license key file for import.

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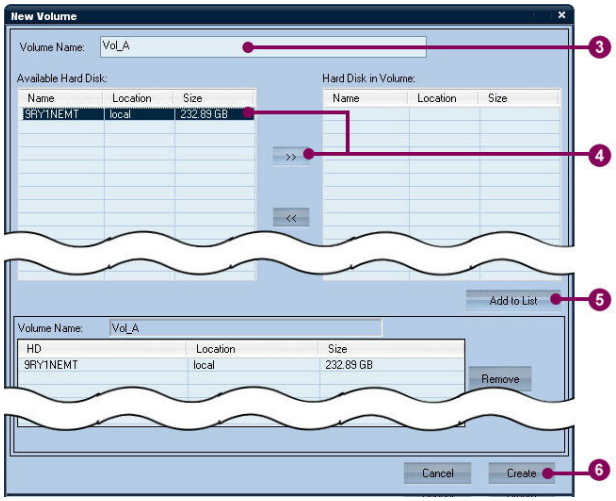
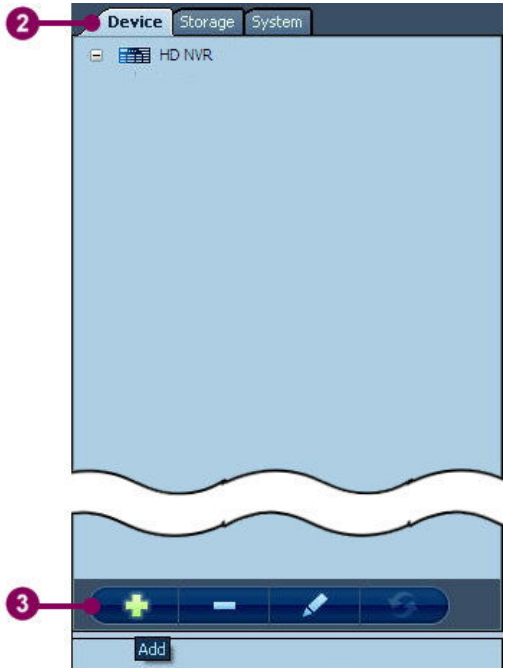
Create Volume for Recording



1. In the Windows® desktop, double click the SCM program icon ( )
2. Input default username **Admin** and password **6001** to login.
3. In the SCM program, press the 'New Volume' button in the left panel.
4. Input the name of the volume in the 'Volume Name' field.
5. Select the preferred hard disk(s) from the available hard disk list. Click >> (add) button to add the selected hard disk(s) to the list of 'Hard Disk in Volume'.
6. Press 'Add to List' button to add the selected hard disk(s) into queue for formatting.
7. Press 'Create' to continue.
8. The system shows a confirmation message – 'Create Volume will reallocate your hard disk and you will lose current data on the disk. Are you sure to keep doing these jobs?' Press 'Yes' to continue.

Add Camera Automatically



1. Log on HD NVR using default username **Admin** and password **6001**.
2. In the configuration mode, select the 'Device' tab.
3. Press the 'Add' button in the panel below. 'Add Camera Device' dialog appears.

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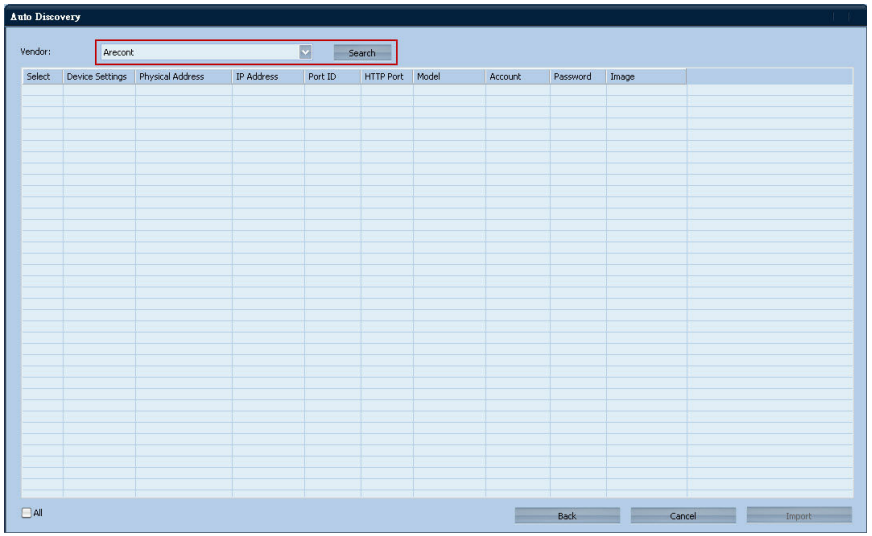
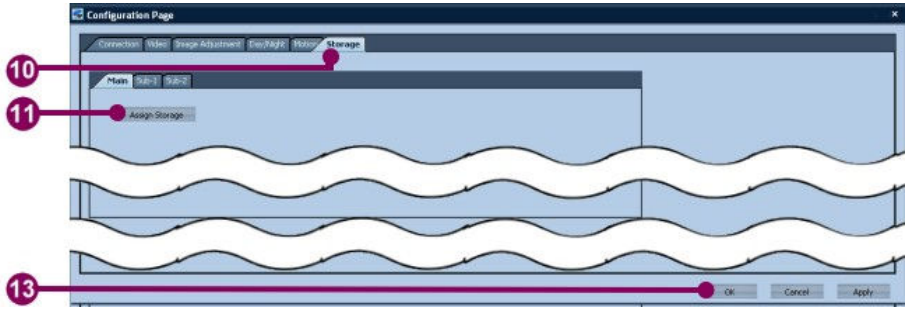
4. Select ‘Auto Discovery’ and then click ‘Next’. ‘Auto Discovery’ dialog appears.

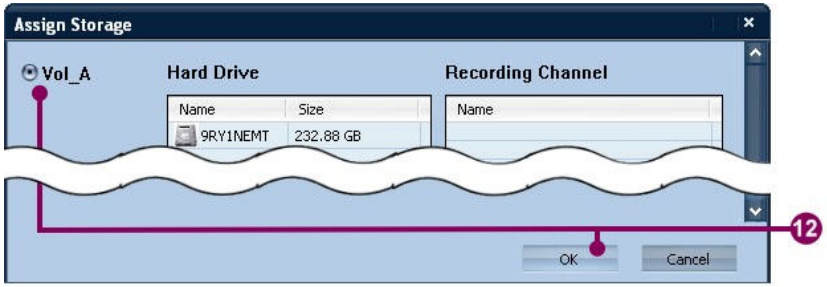


5. Click the ‘Vendor’ combo box and select the preferred vendor name from the drop-down list and press ‘Search’ to continue.
6. Input username and password of the vendor camera.
7. The system automatically searches all selected vendor’s connected IP cameras in the network. The searching result will be listed in the channel table.
8. Select the cameras to be installed and press ‘Install’.
9. The new camera channel will be added to the camera tree. A ‘Configuration page’ shows for changing the setting of the cameras.

NOTE: Some cameras may not be added automatically. Refer to the details in the HD NVR user manual about adding a camera manually.



10. To activate the recording function of the camera, select the ‘Storage’ tab in the Configuration page.
11. Press the ‘Assign Storage’ button. An ‘Assign Storage’ dialog appears.



12. Select the preferred volume and click ‘OK’.
13. Click ‘OK’ in the Configuration page to exit.

TIP: To set up the schedule recording, refer to the HD NVR Manager user manual for more details.